

FIG. 1
(PRIOR ART)

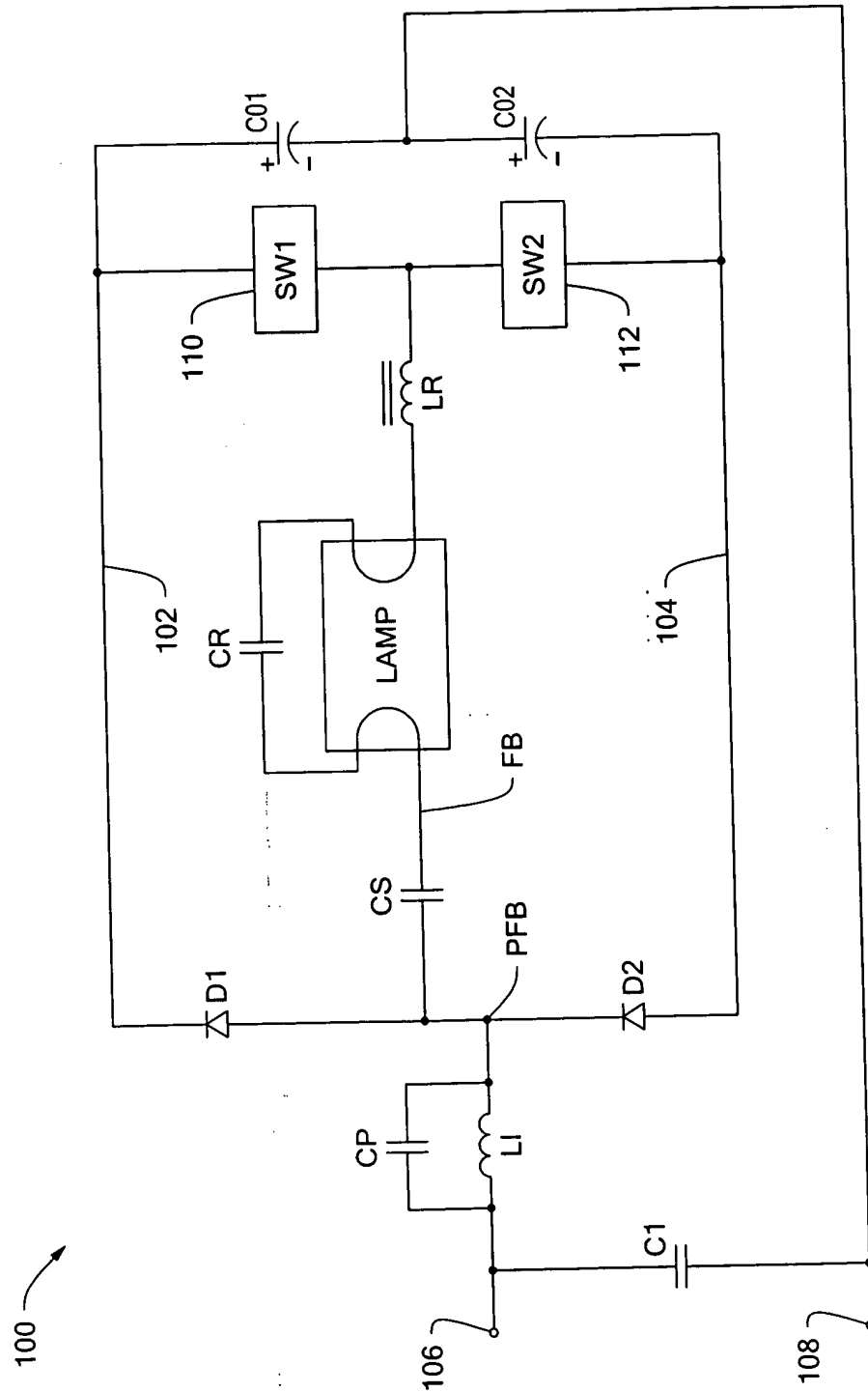
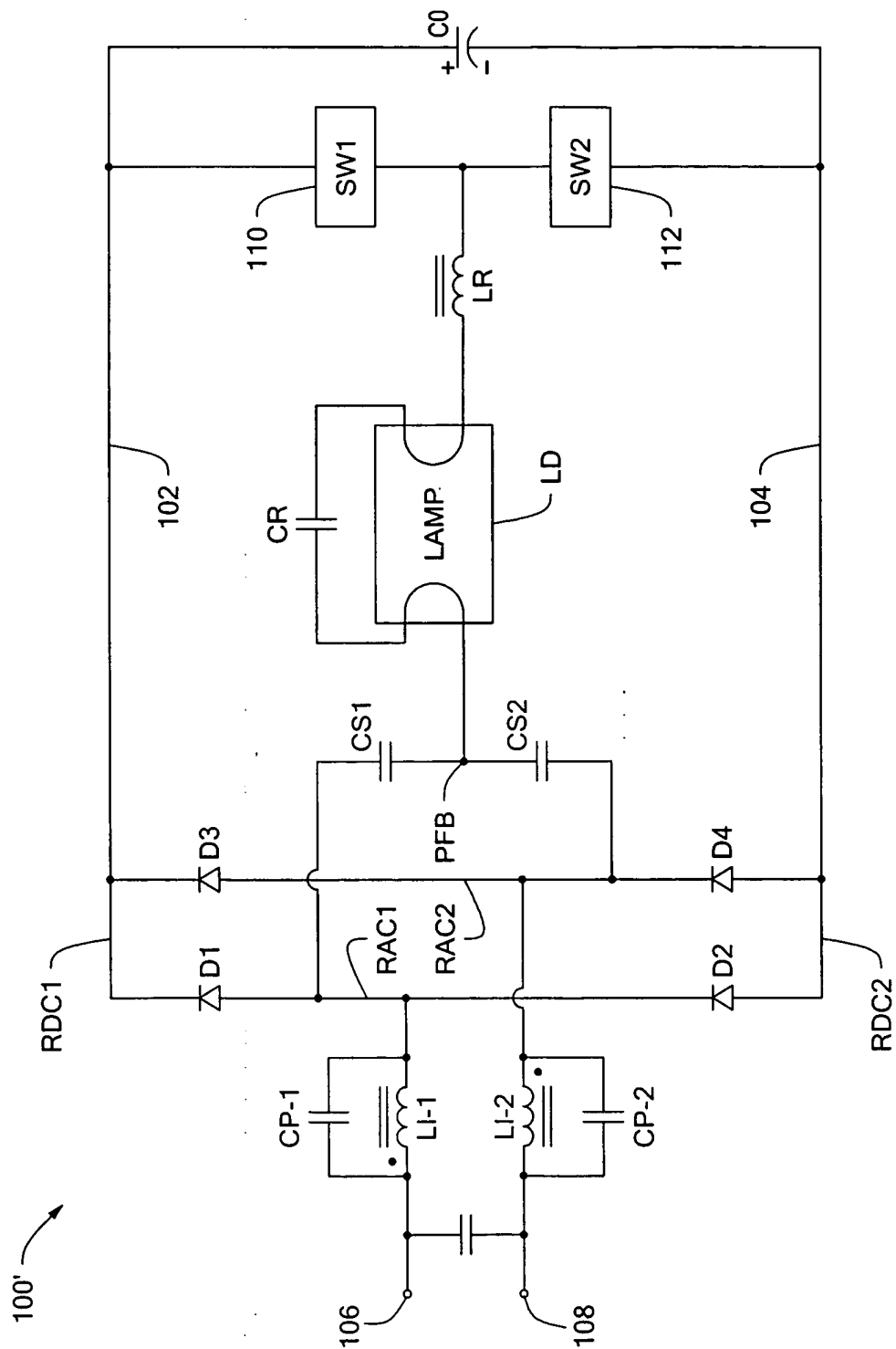
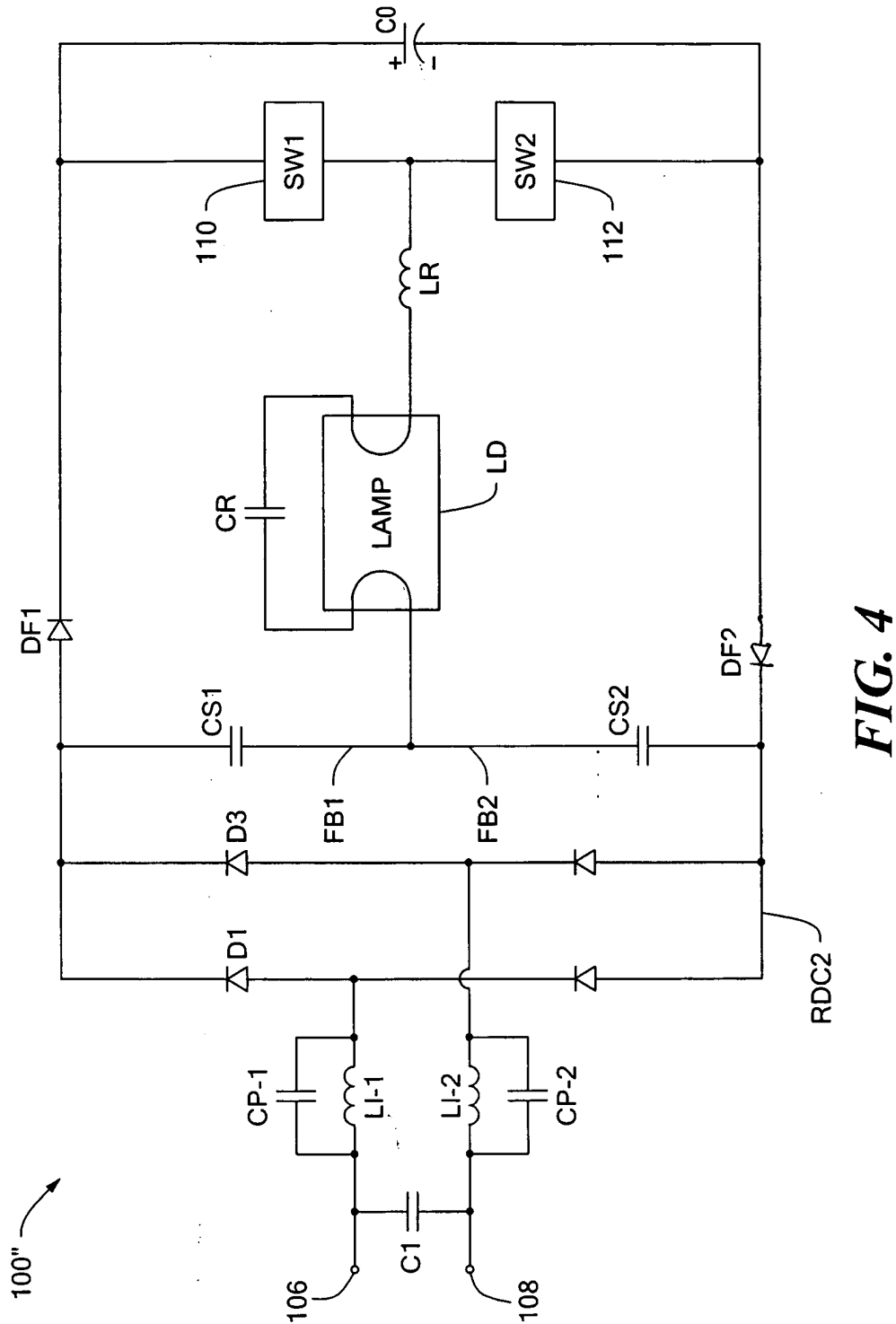
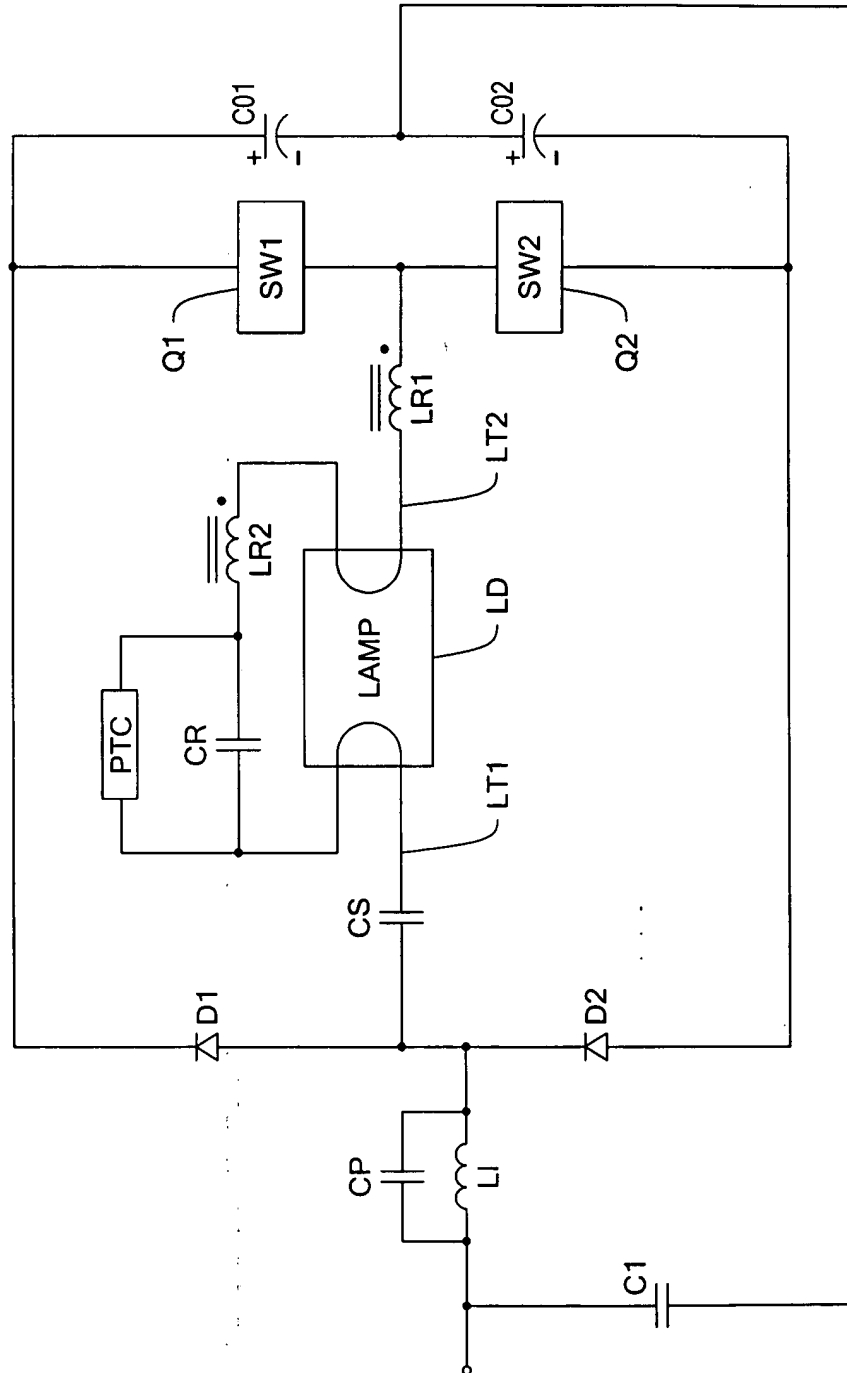
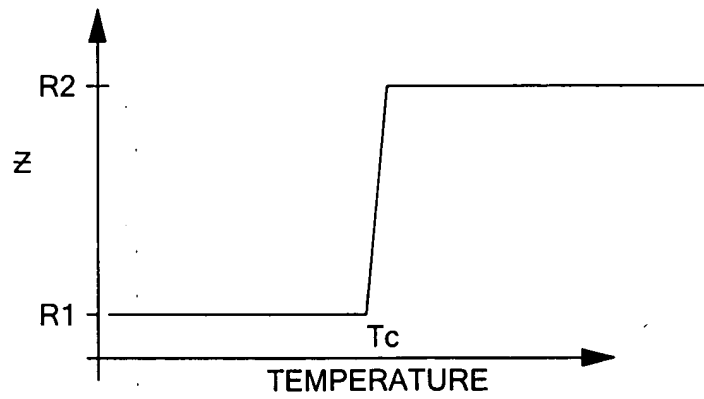
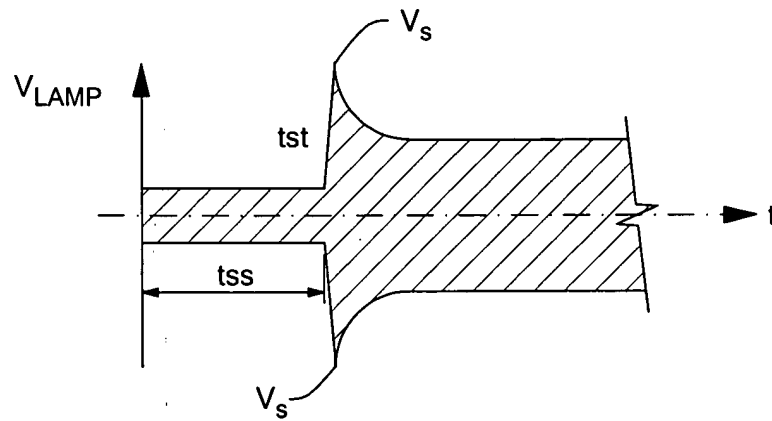
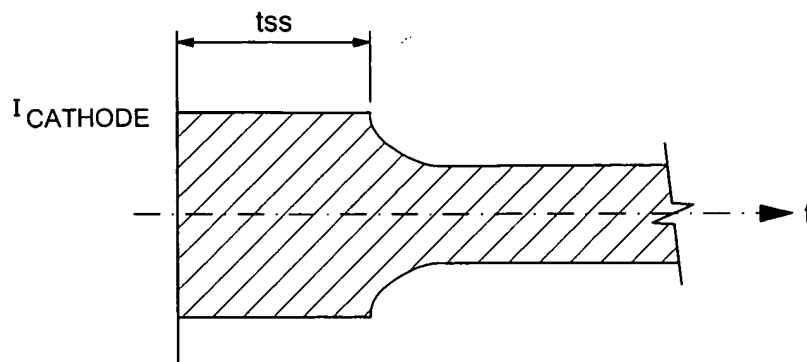


FIG. 2





**FIG. 5**

**FIG. 6****FIG. 7A****FIG. 7B**

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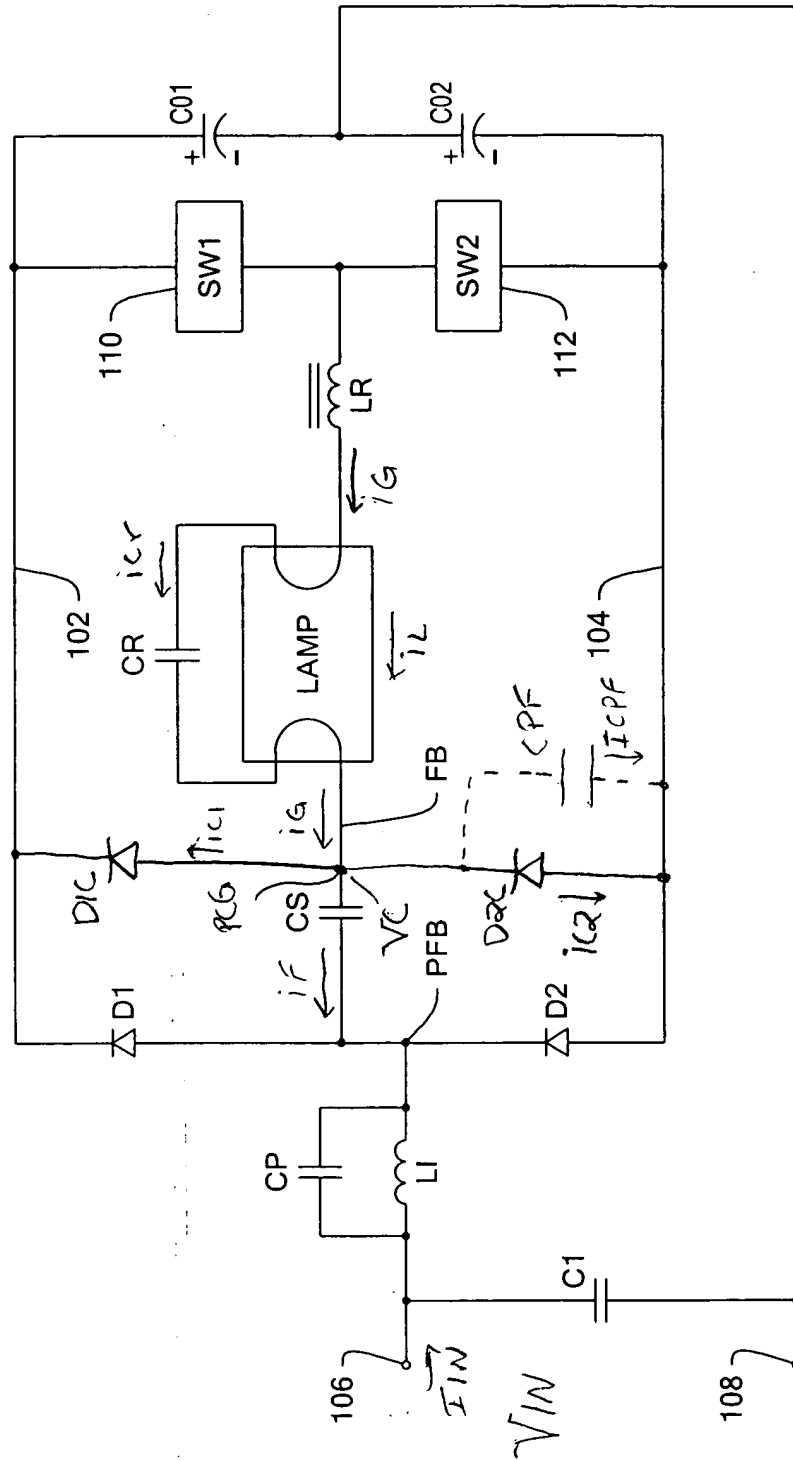


FIG. 8

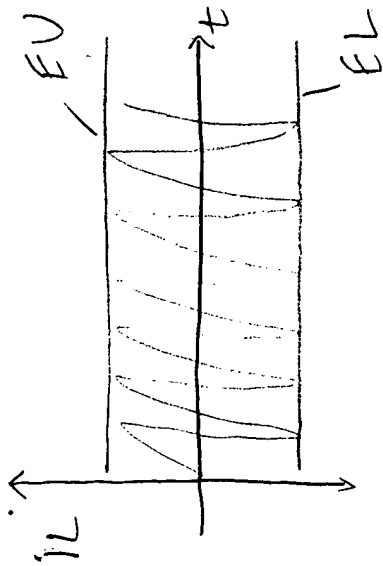


FIG. 9
(PRIOR ART)

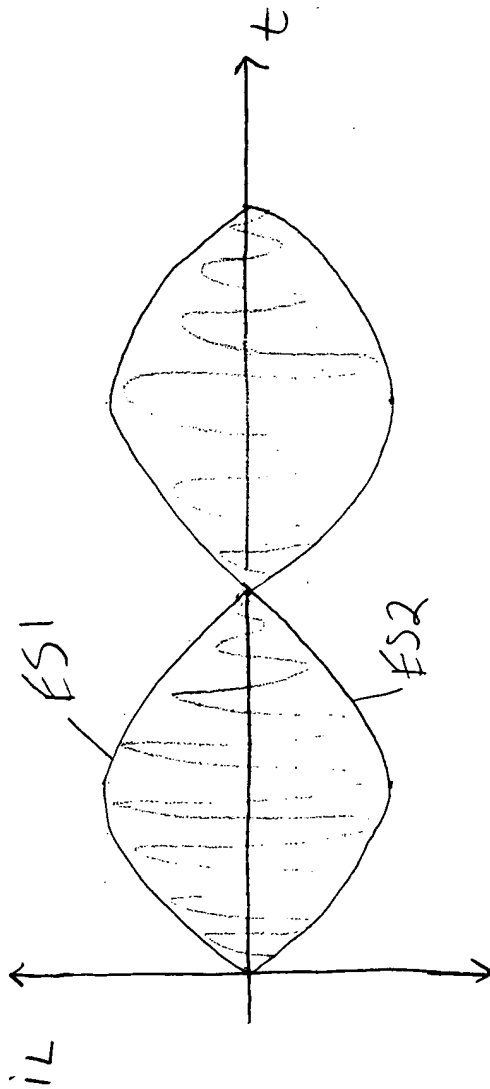


FIG. 10

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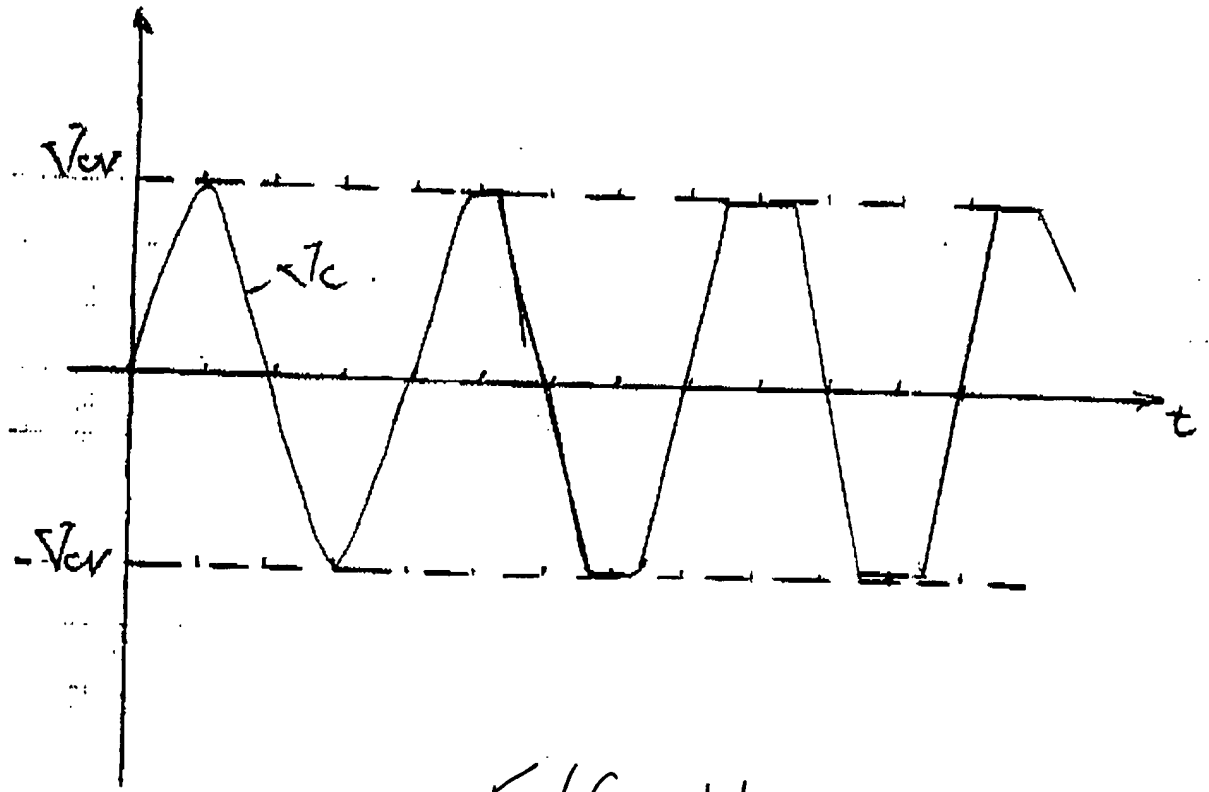


FIG. 11

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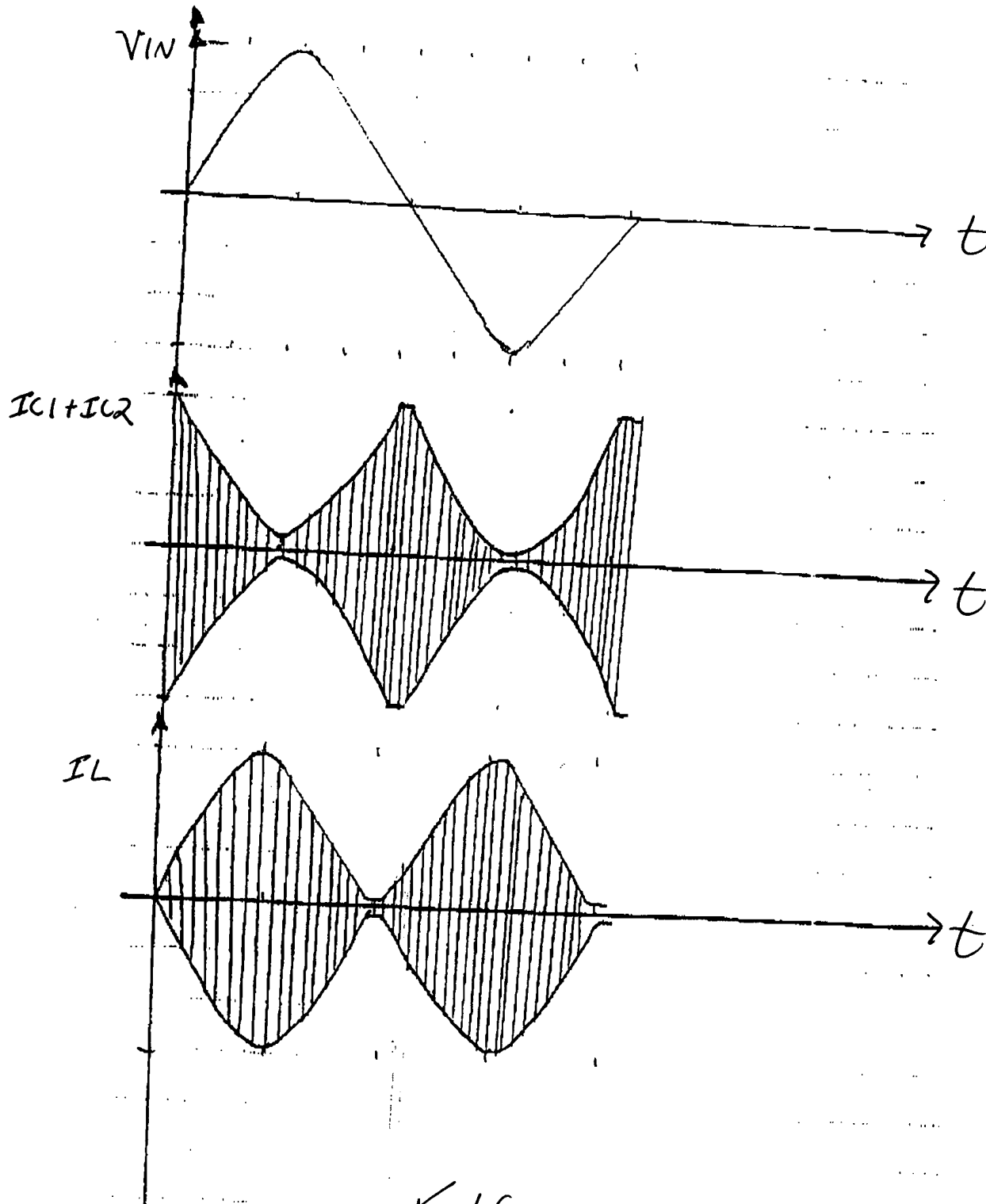


FIG. 12

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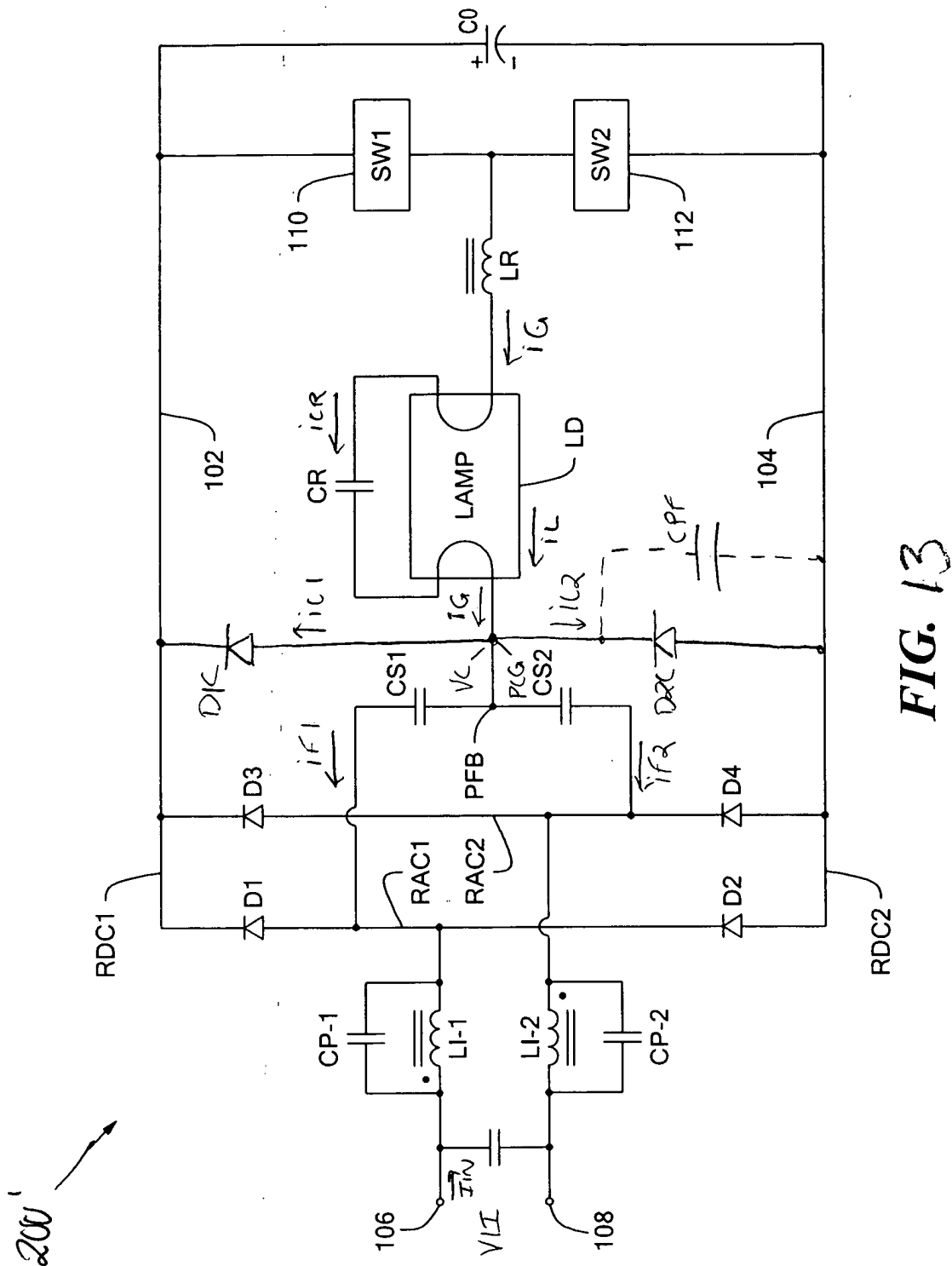


FIG. 13





FIG. 15

CIRCUIT HAVING CLAMPED GLOBAL FEEDBACK FOR LINEAR LOAD CURRENT
Mihail S. Moisin

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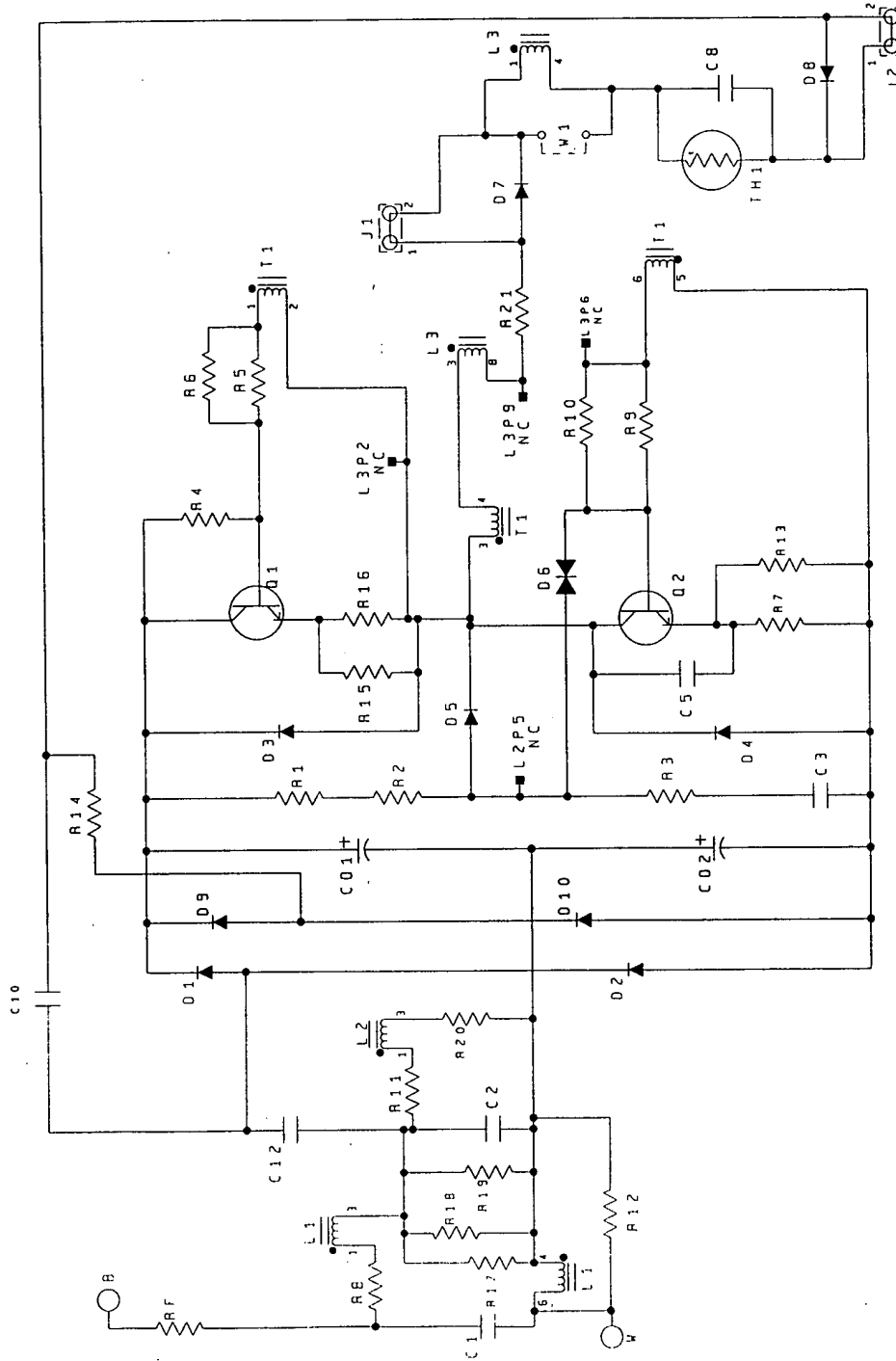


FIG. 16

FIG. 17

REF. DESIGN.	DESCRIPTION
L3	Inductor Assy, 1.69mH (+/-3%), AL=100 130T/10T, 3x33AWG Litz, 7pin, CS-L3
L2	Inductor Assy, 1.90mH, AL=65 171T, 29AWGH, 5pin, C-S-L2
L1	Inductor Assy, 1.90mH, AL=65 171T, 29AWGH, 5pin, C-S-L2
T1	Torroid Transformer, CSI H40-T(9x4x5) (1-1-5)T
C3	Capacitor, Ceramic, SMD, 0.1uF, 50Vdc, 10%, 1206 Pkg.
C1	Capacitor, Metallized Polyester, 5mm 0.01uF, 400Vdc, 10%
C2	Capacitor, Metallized Polyester, 5mm Epoxy-Dipped, 33nF, 250Vdc, 10%
C12	Capacitor, Polypropylene, 5mm Epoxy-Dipped, 2.7nF, 400Vdc, 10%
C5	Capacitor, Ceramic, Radial 100pF, 1000Vdc, 5 mm
C8	Capacitor, Polypropylene, 5mm Epoxy-Dipped, 2.2nF, 1500V, 10%
C10	Capacitor, Polypropylene, 5mm Epoxy-Dipped, 4.7nF, 400Vdc, 10%
CO1, CO2	Capacitor, Electrolytic, (10x20)mm 33uF, 200Vdc, 105C, 5mm
D5	Diode, Axial, Glass-Passivated Fast, 1000V, 1N4007GP
D1-D4, D9-D10	Diode, Axial, Glass-Passivated Ultra-Fast, 1000V, UF4007GP
D6	Diac, Axial, 32V Db-3
RF	Fuse, Axial 3A/250V
R7, R15	Resistor, SMD, 1206 Pkg, 0 Ohm
R8, R11, R12, R14, R20, R21	Resistor, SMD, 1206 Pkg, 0 Ohm
R6, R10, R13, R16	Resistor, SMD, 1206 Pkg,
NOT USED	
R3	Resistor, SMD, 1206 Pkg, 33 Ohm, 5%, 1/4W
R5, R9,	Resistor, SMD, 1206 Pkg, 20 Ohm, 1%, 1/4W
R1, R2	Resistor, SMD, 1206 Pkg, 150 kOhm, 5%, 1/4W
R4	Resistor, SMD, 1206 Pkg, 300 kOhm, 5%, 1/4W
R17-R19	Resistor, SMD, 1206 Pkg,
NOT USED	
Q1, Q2	Transistor Power, TO-220 ST13005
J1, J1	Terminal, Radial, 2 pin, CSI
TH1	Thermistor, PTC
NOT USED	

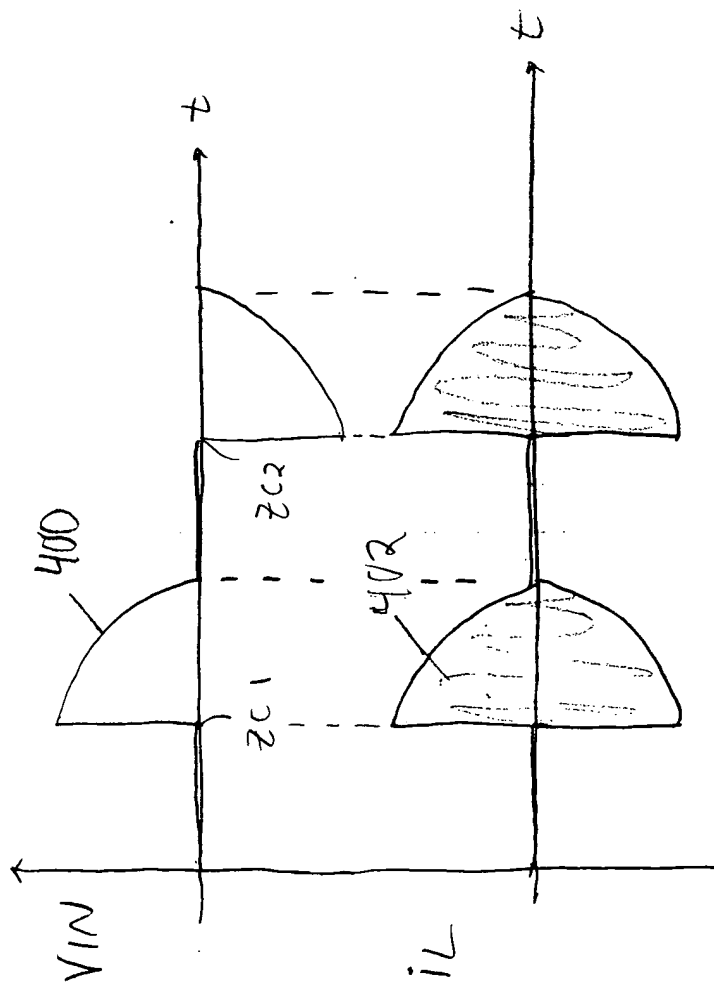
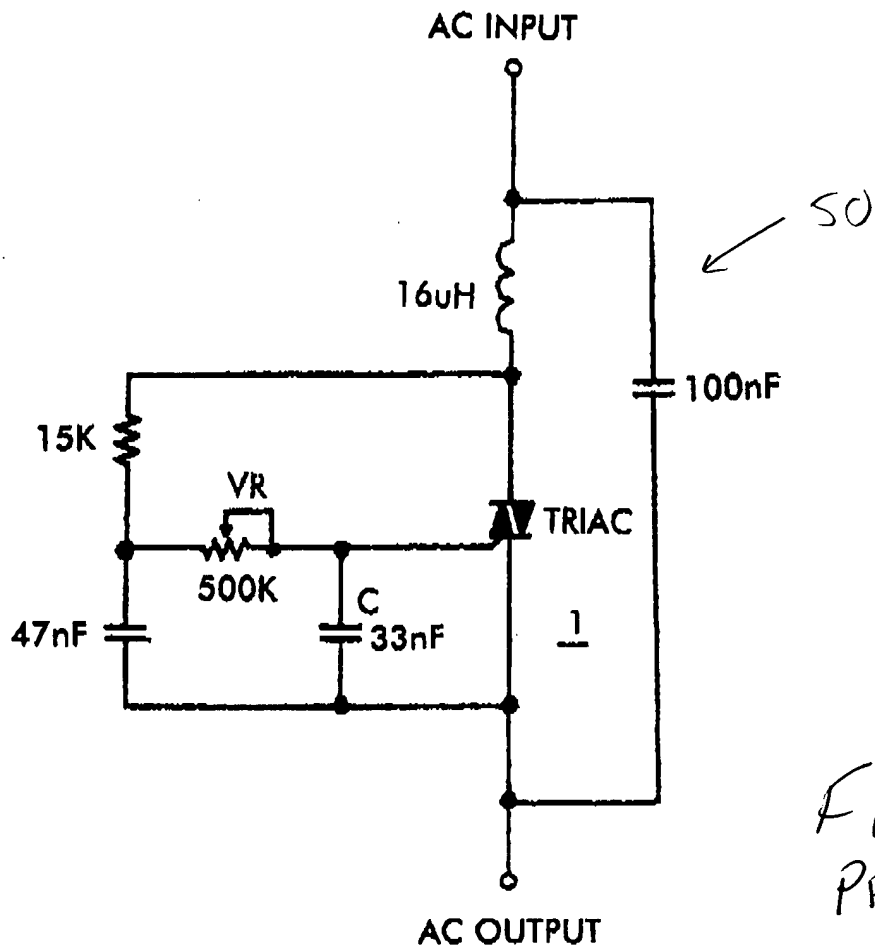
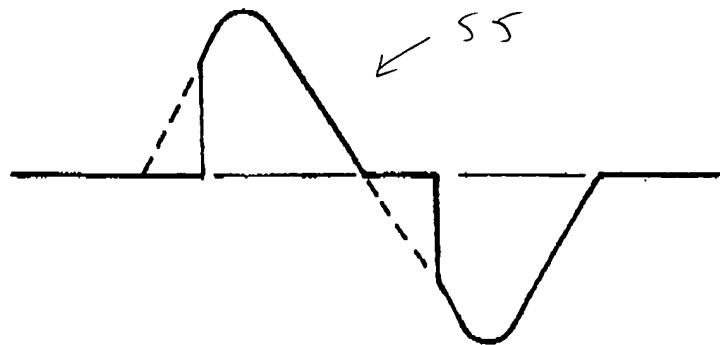


FIG 18

FIG 19
PRIOR ARTFIG. 19A
PRIOR ART

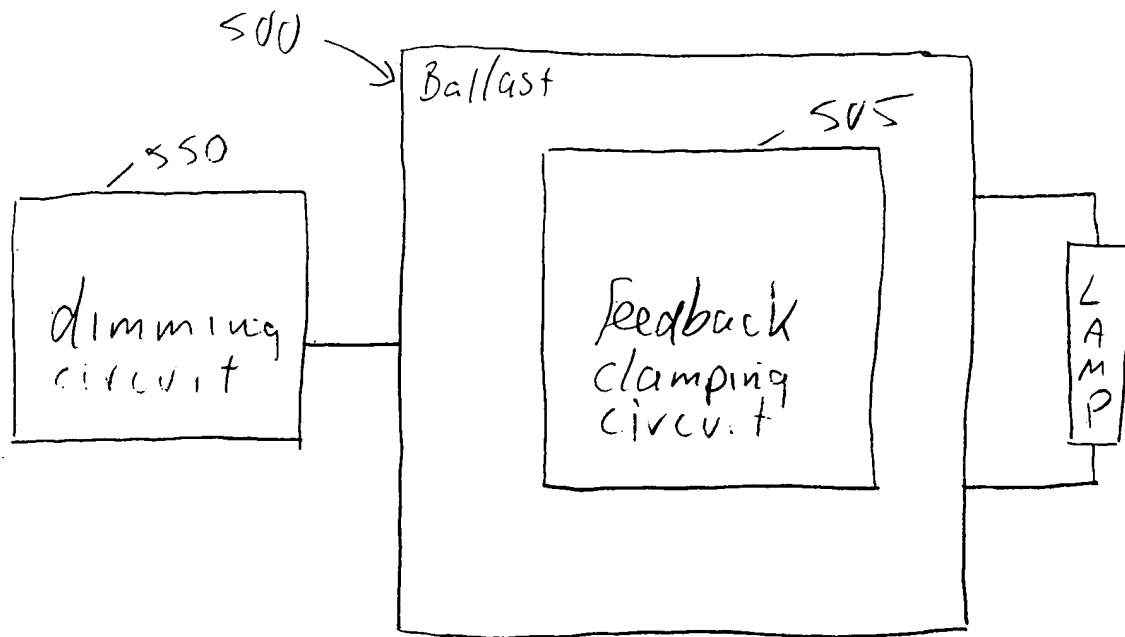


FIG. 20